

II. CLAIM AMENDMENTS

1. (Currently Amended) A method ~~for applying a certain Quality of Service (QoS) to a data stream of an application executing in a terminal device communicating data over a sockets connection, wherein the method comprises~~ comprising:

providing a unique identifier (UID, Stream Type) ~~to the~~ an application executing in a terminal device, the unique identifier uniquely identifying at least one of the application and the data stream from or to the application;

providing the unique identifier in addition to a port number to a protocol stack in the terminal device;

determining an association between said identifier and a particular Quality of Service (QoS) policy in the protocol stack using a database stored in said terminal device;

determining in the protocol stack within the terminal device QoS parameters contained in the QoS policy; ~~and~~

~~communicating-transmitting~~ from said terminal device to the network the QoS parameters to be applied to the data stream from or to the application; and

applying the (QoS) parameters to the data stream of the application communicating data over a sockets connection.

2. (Original) A method according to claim 1, wherein the method comprises transferring the identifier (UID, Stream Type) over the sockets connection.

3. (Original) A method according to claim 1, wherein the method further comprises
- providing a socket application program interface to the application,
- establishing a socket for transfer of the data stream, and
- transferring the identifier (UID, Stream Type) over the socket application program interface to uniquely identify said at least one of the particular application and the particular data stream, which application or data stream is identified by the identifier, in order apply the particular QoS to the data stream being communicated over the sockets connection.
4. (Currently Amended) A device comprising:
- an application program ~~for configured to executing execute~~ a particular application; and to
- ~~means for communicating~~ communicate data over a sockets connection, ~~wherein the device further comprises to provide a unique identifier (UID, Stream Type) in addition to a port number to a protocol stack in a terminal device;~~
- ~~an operating system configured to means for providing provide~~ a unique ~~the~~ identifier (UID, Stream Type) to the application, the ~~unique~~ identifier uniquely identifying at least one of the application and the data stream from or to the application; and
- ~~the protocol stack configured to means for providing the identifier in addition to a port number to a protocol stack in the terminal device;~~

~~means for determining~~ determine an association between said identifier and a particular Quality of Service (QoS) policy in the protocol stack using by reading a database stored in said device, to determine;

~~means for determining in the protocol stack in the device the QoS parameters contained in the QoS policy;~~ and to

~~means for communicating~~ communicate from said device to the network the QoS parameters to be applied to the data stream from or to the application.

5. (Currently Amended) A device comprising:

an application program ~~configured to for executing~~ execute a particular application, to;

~~means for communicating~~ communicate data over a sockets connection, ~~wherein the device further comprises and to provide a centrally defined identifier (UID, Stream Type) in addition to a port number to a protocol stack in the device;~~

~~means for an operating system configured to associating~~ associate a ~~the~~ centrally defined identifier (UID, Stream Type) to the application, the centrally defined identifier uniquely identifying at least one of the application and the data stream from or to the application; and

~~means for the protocol stack configured to providing the centrally defined identifier in addition to a port number to a protocol stack in the terminal device;~~

~~means for determining~~ determine in the protocol stack within the device an association between the centrally defined identifier and a particular Quality of Service (QoS) policy in by reading a database stored in said device,;

~~means for~~ ~~to determine/determine in the protocol stack~~ within said device the QoS parameters contained in the QoS policy; and ~~to~~

~~means for communicating/communicate~~ from said device to the network the QoS parameters to be applied to the data stream from or to the application.

6. A device according to claim 4, wherein the device further comprises

~~means for providing the protocol stack is configured to provide~~ a socket application program interface to the application, ~~to~~

~~means for establishing/establish~~ a socket for transfer of the data; and

~~means the application program is configured to for transferring/transfer~~ the centrally defined identifier (UID, Stream Type) over the socket application program interface to uniquely identify said at least one of the particular application and the particular data, which application or data is identified by the centrally defined identifier, in order apply the particular QoS to the data being communicated over the sockets connection.

7. (Previously Presented) A computer program product for an electronic device having an application to communicate data over a sockets connection, wherein in that the computer program product comprises;

computer program means for providing a uniquely identifiable identifier (UID, Stream Type) to the application, the identifier uniquely identifying at least one of the application and the data stream from or to the application;

computer program means for providing the identifier in addition to a port number to a protocol stack in the terminal device;

computer program means for determining an association between said identifier and a particular QoS policy in the protocol stack using a database stored in said electronic device;

computer program means for determining in the protocol stack within said electronic device the QoS parameters contained in the QoS policy; and

computer program means for communicating from said electronic device to the network the QoS parameters to be applied to the data stream from or to the application.

8. (Original) A computer program product according to claim 7, wherein the computer program product further comprises

computer program means for providing a socket application program interface to the application,

computer program means for establishing a socket for transfer of the data, and

computer program means for transferring the identifier (UID, Stream Type) over the socket application program interface to uniquely identify said at least one of the particular application and the particular data, which application or data is identified by the identifier, in order apply the particular QoS to the data being communicated over the sockets connection.